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INDEX TO AMERICAN BOTANICAL LITERATURE

1913-1917

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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- Loughlin, E. E.** The Brassicaceae of Ohio. Ohio Jour. Sci. **17**: 308-331. Je 1917.
- Long, B.** Range of *Carex novae-angliae* extended into Pennsylvania. Rhodora **19**: 96-100. 5 Je 1917.
- Lorenz, A.** Notes on the Hepaticae of Mt. Ktaadn. Bryologist **20**: 41-46. f. 1, 2. 29 My 1917.
- Lougher, T. H.** Ya Yerba del Sudan. Cuba. Agr. Exp. Est. Bol. **30**: 1-19. f. 1-6. Jl 1916.
- Lutz, A. M.** Characters indicative of the number of somatic chromosomes present in *Oenothera* mutants and hybrids. Am. Nat. **51**: 375-377. Je 1917.
- MacCaughey, V.** The genus *Annona* in the Hawaiian Islands. Torrey **17**: 69-77. 2 Je 1917.
- Mackenzie, K. K.** *Solidago juncea*. Addisonia **2**: 21, 22. pl. 51. 30 Je 1917.
- Marble, M. S.** The phytocology of peat bogs near Richmond, Indiana. Proc. Indiana Acad. Sci. **1915**: 359-375. f. 1-7. 1916.
- Melchers, L. E.** *Puccinia triticina* Erikss. Leaf-rust of winter wheat causes damage in Kansas. Phytopathology **7**: 224. 2 Je 1917.
- Mottier, D. M.** A second blooming of *Magnolia Soulangiana*. Proc. Indiana Acad. Sci. **1915**: 149. 1916.

- Murrill, W. A.** *Melanoleuca pulverulentipes* Murrill, sp. nov. Mycologia 9: 179. My 1917.
- Murrill, W. A.** The rosy-spored Agarics. Mycologia 9: 179, 180. 9 Je 1917.
- Nash, G. V.** *Catasetum viridiflavum*. Addisonia 2: 25. pl. 53. 30 Je 1917.
- Nash, G. V.** *Feijoa Sellowiana*. Addisonia 2: 37. pl. 59. 30 Je 1917.
- O'Gara, P. J.** Notes on the distribution of the bacterial disease of western wheat-grass. Phytopathology 7: 225, 226. 2 Je 1917.
- O'Gara, P. J.** The occurrence of *Colletotrichum solanicolium* O'Gara on egg plant. Phytopathology 7: 226, 227. f. 1. 2 Je 1917.
- Orton, C. R.** How trees grow. Proc. Fruit Growers Assoc. Adams Co. 1913: 67-72. 1914.
- Orton, C. R.** Plant diseases with relation to forestry. Pennsylvania State Farmer 6: 122-126. 1913. [Illust.]
- Orton, C. R.** Report of the Department of Botany. Ann. Rep. Pennsylvania State Col. Exp. Sta. 1912-1913: 147-151. 1914.
- Orton, C. R.** Some important diseases of the farm and orchard with methods of control. Pennsylvania State Farmer 6: 122-126. 1913. [Illust.]
- Payson, E. B.** The perennial scapose Drabas of North America. Am. Jour. Bot. 4: 253-267. 31 My 1917.
Fourteen new species are described.
- Pease, A. S.** *Taraxacum ceratophorum* in New England. Rhodora 19: 111, 112. Je 1917.
- Pieper, E. J., Humphrey, C. J., & Acree, S. F.** Synthetic culture media for wood-destroying fungi. Phytopathology 7: 214-220. 2 Je 1917.
- Pierce, R. G.** Early discovery of white pine blister rust in the United States. Phytopathology 7: 224, 225. 2 Je 1917.
- Pipal, E. J.** A list of plant diseases of economic importance in Indiana with bibliography. Proc. Indiana Acad. Sci. 1915: 379-413. 1916.
- Plummer, J. K.** Some effects of oxygen and carbon dioxide on nitrification and ammonification in soils. Cornell Agr. Exp. Sta. Bull. 384: 305-330. f. 66-70. D 1916.
- Povah, A. H. W.** A critical study of certain species of *Mucor*. Bull. Torrey Club 44: 241-259. 22 My 1917; 287-313. pl. 17-20. 13 Je 1917.
Six new species are described.
- Prentice, B. N.** Some elementary notes on stem analysis of white oak. Proc. Indiana Acad. Sci. 1915: 153-160. 1916. [Illust.]
- Ramsey, G. B.** A form of potato disease produced by *Rhizoctonia*. Jour. Agr. Research 9: 421-426. pl. 27-30. 18 Je 1917.

- Reed, G. M.** The discovery of *Endophyllum sempervivi* (Alb. & Schw.) de Bary in North America. *Torreyia* 17: 84, 85. 2 Je 1917.
- Reimer, F. C., & Detjen, L. R.** Breeding rotundifolia grapes. N. Carolina Agr. Exp. Sta. Tech. Bull. 10: 1-47. f. 1-19. My 1914.
- Rock, J. F.** Notes on Hawaiian Lobelioideae, with descriptions of new species and varieties. Bull. Torrey Club 44: 229-239. pl. 9-16. 22 My 1917.
Five new species are described.
- Roig, J. T., & Fortun, G. M.** Las variedades cubanas de boniato. Cuba Agr. Exp. Est. Bol. 33: 1-76. pl. 1-32. N 1916.
Ipomoea batatas.
- Rolfe, R. A.** *Anguloa Cliftonii*. Curt. Bot. Mag. IV. 13: pl. 8700. Mr 1917.
A plant from Colombia.
- Rose, D. H.** Blister spot of apples and its relation to a disease of apple bark. Phytopathology 7: 198-208. f. 1-3. 2 Je 1917.
Pseudomonas populans sp. nov. is described.
- Rose, J. N.** *Echeveria multicaulis*. Addisonia 2: 23. pl. 52. 30 Je 1917.
- Rose, J. N.** *Sedum Bourgaei*. Addisonia 2: 33. pl. 57. 30 Je 1917.
- Rosenbaum, J., & Shapovalov, M.** A new strain of *Rhizoctonia solani* on the potato. Jour. Agr. Research 9: 413-419. pl. 25, 26 + f. 1-3. 18 Je 1917.
- Rudolph, B. A.** A new leaf-spot disease of cherries. Phytopathology 7: 188-197. f. 1-3. 2 Je 1917.
- Schneider, A.** The sphaerocytes of plants and their possible significance in plant growth and in neoplastic formations. Pacific Pharmacist 1917: 147-155. f. 1-5. 1917.
A preliminary report.
- Schneider, C.** Arbores fruticesque chinenses novi—I. Bot. Gaz. 63: 398-405. 16 My 1917.
Deutzia Rehderiana, *Spiraea teretiusscula*, *Malus docynioides* and *Sorbus Ambrosyana*, spp. nov., are described.
- Schneider, C.** Arbores fruticesque chinenses novi—II. Bot. Gaz. 63: 516-523. 19 Je 1917.
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- Seaver, F. J.** Possibilities of the truffle industry in America. New Country Life 32: 114-116. My 1917. [Illust.]
- Shamel, A. D.** A bud variation of *Euonymus*. Jour. Heredity 8: 218-220. f. 5, 6. 26 Ap 1917.
- Shantz, H. L.** Plant succession on abandoned roads in eastern Colorado. Jour. Ecol. 5: 19-42. f. 1-23. Mr 1917.

- Shaw, J. K.** The varietal relations of crown gall. *Science* II. **45**: 461, 462. 11 My 1917.
- Shamel, A. D.** A lemon bud variation. *Jour. Heredity* **8**: 284. *f.* 13. 25 My 1917.
- Schufeldt, R. W.** Flowers that bloom in June. *Am. Forest.* **23**: 340-343. *f.* 1-6. Je 1917.
- Shive, J. W., & Martin, W. H.** The effect of surface films of Bordeaux mixture on the foliar transpiring power in tomato plants. *Plant World* **20**: 67-86. *f.* 1. Mr 1917.
- Shreve, F.** The physical control of vegetation in rain-forest and desert mountains. *Plant World* **20**: 135-141. My 1917.
- Shufeldt, R. W.** Daisies, corn cockle, bugloss, and other summer flowers. *Am. Forest.* **23**: 285-289. *f.* 1-6. My 1917.
- Shull, G. H.** Where do pitcher-leaved ash trees grow? *Science* II. **45**: 479, 480. 18 My 1917.
- Skan, S. A.** *Maurandia Purpusii*. *Curt. Bot. Mag.* IV. **13**: *pl.* 8697. Mr 1917.
A plant from Mexico.
- Skan, S. A.** *Quercus densiflora*. *Curt. Bot. Mag.* IV. **13**: *pl.* 8695. Mr 1917.
A North American plant.
- Small, J. K.** Botanical exploration in southern Florida in 1916. *Jour. N. Y. Bot. Gard.* **18**: 98-111. *pl.* 195-199. My 1917.
- Small, J. K.** *Sagittaria latifolia*. *Addisonia* **2**: 27, 28. *pl.* 54. 30 Je 1917.
- Spaulding, P.** Needle rust on *Pinus resinosa*. *Phytopathology* **7**: 225. 2 Je 1917.
- Standley, P. C.** (Chenopodiales). *Amaranthaceae*. *N. Am. Fl.* **21**: 95-169. 9 Je 1917.
Includes new species in *Amaranthus* (3), *Acnida* (1), *Froelichia* (1), *Achyranthes* (1), *Gomphrena* (2), and *Iresine* (1).
- Standley, P. C.** The Mexican and Central American species of *Ficus*. *Contr. U. S. Nat. Herb.* **20**: 1-35. 31 My 1917.
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- Stevens, N. E., & Hawkins, L. A.** Some changes produced in strawberry fruits by *Rhizopus nigricans*. *Phytopathology* **7**: 178-184. 2 Je 1917.
- Stevens, N. E., & Wilcox, R. B.** *Rhizopus* rot of strawberries in transit. *U. S. Dept. Agr. Bull.* 531: 1-22. *f.* 1. 28 My 1917.

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- Stevenson, J. A.** Diseases of vegetable and garden crops. *Jour. Dept. Agr. Porto Rico* **1**: 93-117. Ap 1917.
- Stevenson, J. A.** Report of the pathologist. Report Board Comm. Porto Rico Agr. **5**: 35-74. 1917.
- Stewart, F. C.** Witches-brooms on hickory trees. *Phytopathology* **7**: 185-187. 2 Je 1917.
- Stone, G. E.** Apple diseases. Massachusetts State Board Agr. Circ. **12**: 1-19. *f. 1-10*. 1914.
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- Thaxter, R.** New Laboulbeniales, chiefly dipterophilous American species. *Proc. Am. Acad. Arts. & Sci.* **52**: 649-721. My 1917.
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- Tottingham, W. E.** On the relation of chlorine to plant growth. *Johns Hopkins Univ. Circ.* **293**: 217-221. Mr 1917.
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- Weir, J. R.** Note on *Xylaria polymorpha* and *X. digitata*. Phytopathology 7: 223, 224. 2 Je 1917.
- Weir, J. R.** *Sparassis radiata*, an undescribed fungus on the roots of conifers. Phytopathology 7: 166-177. f. 1-5. 2 Je 1917.
- Weir, J. R., & Hubert, E. E.** Recent cultures of forest tree rusts. Phytopathology 7: 106-109. Ap 1917.
- Wiegand, K. M.** A new species of *Eragrostis* of the Old World and North America. Rhodora 19: 93-96. 5 Je 1917.
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- Wolf, F. A., & Cromwell, R. O.** *Xylaria* rootrot of apple. Jour. Agr. Research 9: 269-276. pl. 3 + f. 1-3. 21 My 1917.
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